

# C020 RS232 TO RS485 MODULE

RS232 to RS485 Module kit will provide you a seamless connection between a PC and an RS485 network.

- Simplex connection of the interface to the RS485 network
- Easy switching mode between Receiver and Transmitter
- Optional 5V regulated supply provision on board
- 9-Pin, PCB mounted, female type D connector available
- Supply can also be provided by the host interface via relimate/berg connectors carrying data
- Four mounting holes of 3.2 mm each
- PCB dimensions 64 mm x 43 mm



This Kit provides a simple and easy solution to connect your computer to a RS485 Network in either Receiver or Transmitter mode. This kit uses the famous MAX232 and MAX485 interface IC.

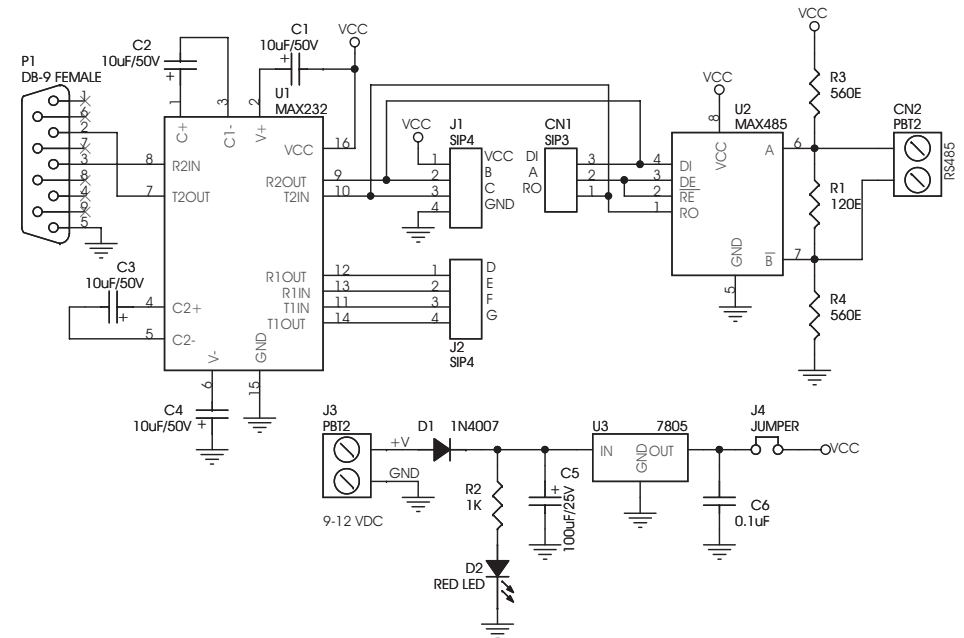
An Onboard 9Pin female "D" connects this PCB to the Serial Port cable (not supplied with the Kit). An optional Power Supply section can provide regulated 5 VDC to the circuit and can be included to power by bridging Jumper J4. LED D2 provides visual indication of power on this board and diode D1 prevents against reverse polarity connection of power supply at J3.

RS485 cable is to be connected at Connector CN2 and are impedance matched with components R3, R1 and R4.

Connector J1 and J2 provide the MAX232 IC input/output (IO) and Connector CN1 provide MAX485 IO. This circuit can also work on 5V supply from the host interface which can be provide through J1 in which case you need to remove Jumper Link @ J4. Connector J2 provide extra connection of the other set of level shifter with in the MAX232 IC.

Please refer to the schematic diagram for the configuration of this board.

The kit includes all components required for the project accepts power supply and cabinet. Please check the components supplied to you as per the BOM "Bill of Material" listed in this document. Component legends and In/Out port pins are clearly printed on the PCB.



SR.	QTY.	REF.	DESCRIPTION
1	1	CN1	3 PIN RELIMATE/BERG CONNECTOR
2	2	CN2,J3	2 PIN SCREW TERMINAL CONNECTOR
3	4	C1,C2,C3,C4	10uF/50V OR 63V
4	1	C5	100uF/25V
5	1	C6	0.1uF
6	1	D1	1N4007
7	1	D2	RED LED
8	2	J1,J2	4 PIN RELIMATE/BERG CONNECTOR
9	1	J4	2 PIN JUMPER WITH CLOSER
10	1	P1	9 PIN D-CONNECTOR - FEMALE
11	1	R1	120E
12	1	R2	1K
13	2	R3,R4	560E
14	1	U1	MAX232
15	1	U2	MAX485
16	1	U3	7805
17	1	SOCKET	16 PIN DIP IC SOCKET
18	1	SOCKET	8 PIN DIP IC SOCKET

